Index of Claims

| _ | Application No. | Applicant(s) | |
|---|----------------------|---------------|--|
| | 09/748,080 | TOMSEN ET AL. | |
| | Examiner | Art Unit | |
| | Dominic D Saltarelli | 2611 | |

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected N Interference

Appeal 0 Objected

| | | ᆫ | | | | | j | | | | | |
|----------|---|--|--|--------------|----------|--|--------------|--|--|--------------------|----|--|
| | | D | | | | | | | | | | |
| Cla | aim | Date | | | | | | | | | | |
| | - | | | | | | | | | |] | |
| Final | Original | 3/22/05 | | | | | | | | | ĺ | |
| ᆙ | - je | 122 | | | | | | | | | ŀ | |
| i — | 0 | ۳. | | | | | | | | | | |
| | 1 | V | <u> </u> | | - | 1 | H | | _ | ┢╾ | 1 | |
| \vdash | 1 2 | <u> </u> | | ╁ | ┢ | ┢ | ⊢ | - | ┢ | H | 1 | |
| \vdash | - 2 | ₩- | | - | ├─ | ├─ | ├ | - | ├ | - | ł | |
| - | - 3 | | | ├ | ├ | ├ | ⊢ | - | - | - | 1 | |
| | - 4 | ╟ | - | - | ├— | | | | - | - | 1 | |
| \vdash | 2 | ₩ | <u> </u> | _ | <u> </u> | ⊢ | <u> </u> | - | <u> </u> | - | 1 | |
| \vdash | <u> </u> | ₩ | <u> </u> | _ | <u> </u> | ┞ | <u> </u> | _ | ▙ | _ | 1 | |
| | | Щ | L. | | L. | _ | _ | _ | _ | _ | ļ | |
| | 8 | Ш | _ | _ | _ | L | _ | | _ | <u>_</u> | | |
| | 9 | L | | _ | | | L | | L | |]. | |
| | 10 | 1 | <u> </u> | L | | L | | $oldsymbol{ol}}}}}}}}}}}}}}}}$ | | $oxedsymbol{oxed}$ | | |
| | 11 | | | | | L | | | | | | |
| | 12 | П | Γ | Γ | | Γ | | Γ | Γ | | 1 | |
| | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 | | | Π | | Ι_ | | | Г | | 1 | |
| | 14 | ı | | | | | | | | | 1 | |
| | 15 | ⇈ | ┪ | \vdash | \vdash | \vdash | \vdash | | t⊤ | \vdash | ĺ | |
| | 16 | ⇈ | ┪ | ┰ | \vdash | \vdash | \vdash | | T | | 1 | |
| | 17 | ⇈ | Г | 一 | | \vdash | _ | \vdash | | Ι- | 1 | |
| | 18 | 1 | | H | | \vdash | \vdash | H | \vdash | | 1 | |
| | 19 | ╫╴ | \vdash | | \vdash | | | \vdash | \vdash | 一 | l | |
| <u> </u> | 20 | - | - | - | - | - | - | ┢ | | H | l | |
| \vdash | 21 | ╫╴ | | ┢╾ | | - | - | \vdash | | ┢ | ł | |
| H | 22 | ╫─ | ┝ | ⊢ | ⊢ | | ┝ | ├ | ┝ | Η- | 1 | |
| | 23 | ╟ | - | | - | - | - | | - | - | ı | |
| \vdash | 24 | ╟ | ┝ | ┢ | ├ | - | ├- | - | - | - | | |
| | 25 | ╟ | \vdash | ⊢ | ⊢ | ⊢ | H | | | \vdash | l | |
| | 20 | ╟ | - | | - | ┝ | | - | ├─ | | ł | |
| | 27 | ╟ | ├ | - | ļ | - | | - | \vdash | \vdash | ł | |
| | 21 | ╟ | - | _ | - | | - | - | \vdash | - | | |
| | -20 | ₩- | <u> </u> | - | <u> </u> | ├ | | - | | <u> </u> | | |
| | 29 | 1 | <u> </u> | _ | _ | <u> </u> | <u> </u> | <u> </u> | | _ | | |
| | 28 29 30 31 32 | 1 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | _ | <u> </u> | ļ | l | |
| | 31 | Щ. | _ | _ | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | $oxed{oxed}$ | Į | |
| | 32 | 1 | _ | <u> </u> | <u> </u> | _ | _ | | <u> </u> | ļ_ | | |
| | 33 | Щ | | <u> </u> | ┕ | L. | | _ | <u> </u> | <u> </u> | | |
| | 33 34 35 | Щ. | L_ | _ | <u> </u> | | _ | ╙ | L | L | | |
| | 35 | L | L | _ | _ | | | <u> </u> | L_ | <u> </u> | | |
| Ш | 36 | L | | L | L_ | | | L | | | | |
| | 36 37 | | | L | L | <u> </u> | L | <u> </u> | | | | |
| | 38 | L | | <u> </u> | L | L | | | | | | |
| | 39 | L | | $oxed{oxed}$ | L | L | L | L | | | | |
| | 40 | | | | | | | | | | | |
| | 41 | | | | | | | | | | | |
| | 42 | | | | L | | | | | | Ι. | |
| | 43 | | | | | | | | L | | | |
| | 44 | | | | | | | | | | | |
| \Box | 45 | | | | | | | | | | | |
| П | 46 | | | | Г | | | | Г | | | |
| | 47 | | | Г | | | | П | Г | | | |
| | 48 | | | | | | | T | | | | |
| М | 49 | | | | | | | | 1 | | | |
| | 50 | 1 | | Т | \vdash | | | T | | П | | |

| Cla | im | | | | | Date | e | | | |] | Cla | im | | | | _[| Date | = | | | |
|----------|----------|--|--|--|--------------|-------------------|----------------|--------------|-------------|-------------|---|-------|----------|----------|----------------|----------|----------|----------|--|----------|----------|----------|
| riidi | Original | 3/22/05 | | | | | | | | | | Final | Original | 3/22/05 | | | | | | | | |
| | 1 | V | | | | | | | | |] | | 51 | J | | | | | | | | |
| | 2 | 4 | L | | | <u> </u> | L | | L | | | | 52 | Ш | | | | <u></u> | | | | |
| | 3 | Щ | L. | ļ | _ | _ | L | | | L | | | 53 | Ш | | | | | | | | |
| | 4 | 11 | _ | <u> </u> | _ | _ | _ | | _ | <u> </u> | | | 54 | Ш | Щ | | | | Ш | | | |
| | 5 | Щ | _ | | _ | Ш | Ш | | | | | | 55 | Щ | | | | _ | _ | | | _ |
| | 6 | 11_ | _ | | _ | $ldsymbol{f eta}$ | Ш | | <u> </u> | | | | 56 | Щ | | | | | | | | |
| _ | 7 | Щ. | L. | <u> </u> | | | | | | | | | 57 | Щ | | _ | | | _ | | | _ |
| | 8 | Щ. | | <u> </u> | _ | _ | | | | | | | 58 | Щ | | | | | <u> </u> | | | |
| | 9 | 1 | _ | <u> </u> | _ | <u> </u> | _ | | <u> </u> | _ | | | 59 | Щ | | | | | | | | _ |
| | 10 | 4_ | | _ | | <u> </u> | | _ | <u> </u> | _ | | | 60 | 1 | _ | | | _ | _ | | \Box | \dashv |
| _ | 11 | _ | _ | ╙ | _ | _ | _ | _ | ļ | _ | Į | | 61 | V | | | | | _ | | | |
| | 12 | | <u> </u> | _ | _ | _ | _ | _ | <u> </u> | _ | ļ | | 62 | _ | _ | | | _ | Ш | | _ | |
| | 13 | Щ_ | _ | ╙ | _ | _ | | | L. | | | | 63 | _ | | _ | | _ | _ | | | |
| | 14 15 | 1 | <u> </u> | ₩ | <u> </u> | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | | | 64 | <u> </u> | | | | <u> </u> | <u> </u> | | \dashv | _ |
| _ | 15 | }_ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _ | _ | <u> </u> | <u> </u> | | | 65 | <u> </u> | | | | _ | <u> </u> | | | \Box |
| _ | 16 | _ | <u> </u> | ├_ | <u> </u> | <u> </u> | _ | _ | <u> </u> | L_ | | | 66 | <u></u> | | | | - | _ | <u></u> | _ | \dashv |
| _ | 17 | Щ. | ⊢ | ┡ | _ | <u> </u> | _ | | <u> </u> | | | | 67 | <u> </u> | \vdash | _ | _ | _ | L | | | - |
| 4 | 18 | Щ. | <u> </u> | ┡ | <u> </u> | <u> </u> | _ | _ | <u> </u> | | | | 68 | <u> </u> | | | | | L | | | \dashv |
| | 19 | 4 | | <u> </u> | | | | | | _ | | | 69 | <u> </u> | | | | | <u> </u> | | _ | _ |
| _ | 20 | _ | <u> </u> | ├ | _ | _ | <u> </u> | _ | _ | <u> </u> | | | 70 | \vdash | \vdash | | | | _ | _ | | |
| _ | 21 | ₩_ | <u> </u> | ╙ | L | _ | _ | <u> </u> | <u> </u> | <u> </u> | | | 71 | ļ | | | | | _ | | _ | |
| _ | 22 | Щ. | <u> </u> | <u> </u> | | _ | , | _ | <u> </u> | <u> </u> | | | 72 | <u> </u> | | | _ | L., | | | _ | _ |
| _ | 23 | ╙ | _ | <u> </u> | <u> </u> | _ | _ | | <u> </u> | <u> </u> | | | 73 | | | | | _ | | | _ | _ |
| _ | 24 | ╙ | _ | | L | <u> </u> | | | _ | _ | | | 74 | _ | | | | | | | | _ |
| 4 | 25 | L | <u> </u> | <u> </u> | _ | _ | | | <u> </u> | <u> </u> | | | 75 | _ | _ | | | | | | _ | _ |
| _ | 26 | ┡- | <u> </u> | <u> </u> | _ | <u> </u> | | | <u> </u> | _ | | | 76 | | | | | | | | _ | _ |
| _ | 27 | ₽ | L. | <u> </u> | | - | | | | <u> </u> | | | 77 | | | | _ | | | | _ | |
| _ | 28 | 4_ | <u> </u> | ــــ | | <u> </u> | | | | _ | | | 78 | _ | | | | | | | _ | _ |
| - | 29 | 4 | <u> </u> | <u> </u> | _ | | | _ | _ | | | | 79 | | | | | | | | | \dashv |
| 4 | 30 | 4 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | | _ | <u> </u> | | | 80 | _ | Щ | | | _ | | \perp | 4 | |
| \dashv | 31 | 4 | L | <u> </u> | | _ | _ | _ | _ | \vdash | | | 81 | - | _ | | | | | | | - |
| - | 32 | # | ⊢ | \vdash | | | \vdash | | - - | <u> </u> | | | 82 | \vdash | Н | | | - | \vdash | | 4 | |
| \dashv | 33 | # | <u> </u> | ⊢ | \vdash | - | \vdash | | <u> </u> | <u> </u> | | | 83 | \vdash | $\vdash\vdash$ | Щ | | - | | | | |
| \dashv | 34 | #- | ├ | ├ | - | | Н | \vdash | \vdash | _ | | | 84 | - | \vdash | \dashv | _ | | \vdash | - | - | |
| - | 35 | + | ⊢ | ⊢ | - | - | Ш | | \vdash | - | | | 85 86 | \vdash | Н | - | | H | | _ | | |
| \dashv | 36 37 | ╀ | | ├ | \vdash | \vdash | \vdash | _ | \vdash | _ | | | 87 | \vdash | Н | \vdash | | | - | _ | \dashv | \dashv |
| \dashv | | ╀ | ⊢ | ⊢ | <u> </u> | \vdash | \vdash | - | <u> </u> | - | | | | \vdash | Н | _ | | - | \vdash | - | \dashv | \dashv |
| - | 38 | \vdash | ├ | ⊢ | \vdash | \vdash | $\vdash\vdash$ | | \vdash | <u> </u> | | | 88 89 | \vdash | \vdash | \vdash | \dashv | \vdash | | - | | |
| 4 | 39 40 | + | ├- | \vdash | \vdash | \vdash | Н | _ | \vdash | <u> </u> | | | 90 | H | \vdash | - | \dashv | \vdash | \vdash | | \dashv | \dashv |
| - | 41 | 1 | \vdash | - | \vdash | \vdash | Н | | \vdash | <u> </u> | | | 91 | \vdash | \vdash | \vdash | | | | \vdash | \dashv | \dashv |
| - | 42 | + | <u> </u> | - | \vdash | \vdash | \vdash | | | <u> </u> | | | 92 | - | Н | | | - | - | - | \dashv | |
| - | 43 | | - | ├ | | \vdash | \vdash | | \vdash | | | | 93 | \vdash | \vdash | | - | \vdash | \vdash | - | \dashv | \dashv |
| \dashv | 44 | \vdash | \vdash | ⊢ | \vdash | \vdash | $\vdash\vdash$ | - | \vdash | - | | - | 94 | \vdash | \vdash | - | - | \vdash | \vdash | - | \dashv | \dashv |
| - | 45 | - | \vdash | - | \vdash | \vdash | \vdash | | - | | | - | 95 | | H | \dashv | - | \vdash | | \vdash | | |
| - | 46 | - | ⊢ | \vdash | <u> </u> | \vdash | | | | Ι | | | 96 | Н | \vdash | \dashv | \dashv | - | | | | \dashv |
| - | 47 | \vdash | \vdash | \vdash | \vdash | \vdash | | | \vdash | \vdash | | | 97 | - | Н | - | \dashv | \vdash | \vdash | \dashv | \dashv | \dashv |
| - | 48 | \vdash | \vdash | \vdash | \vdash | \vdash | \dashv | _ | \vdash | _ | | | 98 | Н | Н | - | | \vdash | | \dashv | \dashv | \dashv |
| \dashv | 49 | + | \vdash | - | \vdash | H | \vdash | | - | - | | | 99 | \vdash | Н | \vdash | \dashv | \vdash | \vdash | | \dashv | \dashv |
| \dashv | 50 | 1. | \vdash | \vdash | H | H | | _ | - | \vdash | | | 100 | - | \vdash | | \dashv | \vdash | | - | \dashv | \dashv |
| | 50 | 4 | <u> </u> | Щ | | | | | | Щ. | ! | | 100 | نـــا | ш | | | لـــا | ا ــــــــــــــــــــــــــــــــــــ | | | |

| Cl | aim | Date | | | | | | | | |
|----------|---------------------------------|----------|----------|----------|----------|--|----------|----------|----------|-----------------|
| | | | | | | | Ť | | | П |
| Final | Original | | | | | | | | | |
| | 101 102 103 | | | \vdash | | | | | | |
| | 102 | | | | | | | | | |
| | 103 | | | | | | | 匚 | L. | Ш |
| | 104 | | _ | L | | _ | <u> </u> | L | <u> </u> | Щ |
| | 105 106 | \vdash | _ | _ | | | _ | <u> </u> | <u> </u> | |
| | 106 | <u> </u> | _ | - | - | _ | | | <u> </u> | Н |
| | 107 | - | | \vdash | \vdash | \vdash | - | \vdash | - | Н |
| | 108 109 | | - | - | - | - | \vdash | \vdash | \vdash | Н |
| | 110 | | | | | | | | | П |
| | 111 | | | | | | | | | |
| | 112 | | | | | | | | | |
| | 113 114 | _ | ļ | _ | | | _ | <u> </u> | <u> </u> | Ш |
| | 114 | \vdash | <u> </u> | _ | _ | - | _ | H | <u> </u> | Н |
| | 115 | <u> </u> | \vdash | \vdash | - | - | - | \vdash | ├ | $\vdash\vdash$ |
| | 116 117 | \vdash | \vdash | \vdash | - | - | \vdash | \vdash | | $\vdash \vdash$ |
| | 118 | \vdash | _ | - | \vdash | \vdash | | H | - | Н |
| | 119 | | | | | | | | \vdash | П |
| | 119 120 | | | | | | | | | |
| | 121 | | | | | | | | <u> </u> | Щ |
| | 122 | | L | _ | _ | <u> </u> | | _ | <u> </u> | Щ |
| | 123 | | ├— | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _ | Н |
| | 121 122 123 124 125 | | - | | | | - | - | <u> </u> | Н |
| \vdash | 126 | | | - | | | - | | \vdash | Н |
| | 127 | | \vdash | ┢ | - | | | | _ | П |
| | 127 128 129 130 131 | | | | | | | | | |
| | 129 | | | | | _ | | | | |
| | 130 | | | _ | _ | _ | <u> </u> | _ | | Щ |
| | 131 | | <u> </u> | <u> </u> | <u> </u> | _ | <u> </u> | - | _ | _ |
| | 132 133 | | \vdash | - | - | - | - | | _ | Н |
| | 134 | - | | _ | - | - | - | - | \vdash | Н |
| | 135 | | 一 | \vdash | | | Т | | | |
| | 136 | | | | | | | | | |
| | 137 | | | | | | | | | |
| | 138 139 | | _ | Щ | | _ | _ | <u> </u> | | |
| | 139 | | _ | \vdash | _ | _ | <u> </u> | | | \vdash |
| | 140 141 | H | <u> </u> | H | <u> </u> | _ | \vdash | \vdash | | Н |
| | 142 | - | H | - | - | _ | \vdash | \vdash | - | $\vdash \vdash$ |
| | 143 | \vdash | Н | Н | H | \vdash | \vdash | \vdash | - | \vdash |
| | 144 | | T | Т | Т | | Ľ | | | |
| | 145 | | | | | | | | | |
| | 146 | | | | | | | | | |
| | 147 | Ш | L | L | L | | L | | | Щ |
| | 148 | | <u> </u> | _ | | <u> </u> | <u> </u> | _ | | \vdash |
| | 149 150 | _ | - | - | - | _ | _ | _ | | $\vdash \vdash$ |
| L | 130 | | | | L_ | L: | L | Щ | | Ш |